BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of Work: Estimate for Drilling of Borewell and Providing Pump and Motor and Laying Pipeline at in Ward No. 07, Thanisandra Byatarayanapura Sub Division

Est Cost : 53.00 Lakhs

P Code : P-3726

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ವಿಷಯ: ವಾರ್ಡ್ ನಂ. 07(ಥಣಿಸಂದ್ರ) ವ್ಯಾಪ್ತಿಯ Drilling of Borewell and Providing Pump and Motor and Laying Pipeline at in Ward No. 07, Thanisandra Byatarayanapura Sub Division ಕಾಮಗಾರಿ ಅನುಮೋದನೆ ನೀಡುವ ಕುರಿತು.

ಮೇಲ್ಕಂಡ ವಿಷಯಕ್ಕೆ ಸಂಬಂಧಿಸಿದಂತೆ, ವಾರ್ಡ್ ನಂ. 07(ಥಣಿಸಂದ್ರ) ವ್ಯಾಪ್ತಿಯ Drilling of Borewell and Providing Pump and Motor and Laying Pipeline at in Ward No. 07, Thanisandra Byatarayanapura Sub Division ಕಾಮಗಾರಿಗೆ ರೂ. 53.00 ಲಕ್ಷಗಳ ಅಂದಾಜು ಮೊತ್ತದಲ್ಲಿ 2022-23 ನೇ ಸಾಲಿನ ಆಯವ್ಯಯದ ಲೆಕ್ಕಶಿರ್ಷಿಕೆ ಪಿ-3726ರ ಕಾಮಗಾರಿ ಕ್ರಿಯ ಯೋಜನಾ ಪಟ್ಟಿಯಲ್ಲಿ ಕಾಮಗಾರಿಯನ್ನು ನಿರ್ವಹಿಸಲು ಅವಕಾಶ ಕಲ್ಪಿಸಲಾಗಿದ್ದು, ದಿನಾಂಕ: 06.08.2022 ರಂದು ನಡೆದ ವಾರ್ಡ್ ಮಟ್ಟದ ಸಾರ್ವಜನಿಕ ಲೋಕೋಪಯೋಗಿ, ನಗರ ಯೋಜನೆ ಮೂಲ ಸೌಕರ್ಯ ಸ್ಥಾಯಿ ಸಮಿತಿ ಸಭೆಯ ನಡವಳಿ ವಿಷಯದ ಸಂಖ್ಯೆ. 178/2022-2 ರಲ್ಲಿ ಮಾನ್ಯ ಆಡಳಿತಗಾರರು ಅನುಮೋದಿಸಿರುತ್ತಾರೆ.

ಅದರಂತೆ ವಾರ್ಡ್ ವ್ಯಾಪ್ತಿಯಲ್ಲಿ ಕುಡಿಯುವ ನೀರಿನ ಅಭಾವವಿರುವ ಪ್ರದೇಶಗಳಲ್ಲಿ ಹೊಸದಾಗಿ ಬೋರ್‌ವೆಲ್ ಕೊರೆದು ಸಾರ್ವಜನಿಕರಿಗೆ ಕುಡಿಯುವ ನೀರಿನ ಸರಬರಾಜು ಮಾಡುವ ಕಾಮಗಾರಿಯನ್ನು ಕೈಗೊಳ್ಳಲು ಸ್ಥಳ ಪರಿಶೀಲನೆ ಮಾಡಿ, ಅಗತ್ಯ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿಕೊಂಡು ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು ಈ ಕೆಳಕಂಡ ಐಟಂಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ.

1. ಹೊಸದಾಗಿ ಕೊಳವೆ ಬಾವಿಗಳನ್ನು ಕೊರೆದು ಪಂಪು ಮತ್ತು ಮೋಟರ್ ಅಳವಡಿಸುವುದು
2. ಪಿ.ವಿ.ಸಿ ಕೇಬಲ್ ಅಳವಡಿಸುವುದು.
3. ಜಿ.ಐ ಪೈಪ್‌ಗಳನ್ನು ಅಳವಡಿಸುವುದು.
4. ಪ್ಯಾನೆಲ್ ಬೋರ್ಡ್‌ಗಳನ್ನು ಅಳವಡಿಸುವುದು.
5. ಎಂ.ಸಿ.ಬಿ, ಫ್ಯೂಸ್‌ಚೆನಲ್ಸ್ ಗಳನ್ನು ಅಳವಡಿಸುವುದು
6. ಎಂ.ಎಸ್ ಬಾಕ್ಸ್, ಗೇಟ್‌ವಾಲ್ವ್‌ಗಳನ್ನು ಅಳವಡಿಸುವುದು
7. ಸದರಿ ಬೋರ್‌ವೆಲ್‌ಗಳಿಗೆ ವಿದ್ಯುದ್ಧೀಕರಣ ಮಾಡುವುದು.
8. ಕುಡಿಯುವ ನೀರಿನ ಸರಬರಾಜು ಮಾಡಲು ಕೊಳವೆ ಸಾಲುಗಳನ್ನು ಅಳವಡಿಸುವುದು. ಹಾಗೂ ಇತರೆ ಅವಶ್ಯಕ ಅಂಶಗಳಿಗೆ ಅಂದಾಜಿನಲ್ಲಿ ಅವಕಾಶ ಕಲ್ಪಿಸಿಕೊಂಡಿರುತ್ತದೆ.

ಮೇಲ್ಕಂಡ ಅಂಶಗಳನ್ನು ಅಳವಡಿಸಿ ಅಂದಾಜು ಪಟ್ಟಿಯನ್ನು PWD SR 2021-22 & PWD Electrical SR 21-22 ದರಪಟ್ಟಿ ದರಗಳನ್ನು ಅಳವಡಿಸಿ ತಯಾರಿಸಲಾಗಿರುತ್ತದೆ. ಸದರಿ ಅಂದಾಜು ಪಟ್ಟಿಗೆ 2022-23ನೇ ಸಾಲಿನ ಅನುದಾನದ ಲೆಕ್ಕ ಶಿರ್ಷಿಕೆ ಪಿ-3726ರ ಅಡಿಯಲ್ಲಿ ಅನುಮೋದಿಸಿ, ಆಡಳಿತಾತ್ಮಕ ಅನುಮೋದನೆ, ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿ ಕಾಮಗಾರಿಯನ್ನು ತುರ್ತಾಗಿ ಕೈಗೊಳ್ಳಬೇಕಾಗಿರುವುದರಿಂದ ಟೆಂಡರ್ ಕರೆದು ಗುತ್ತಿಗೆದಾರರನ್ನು ನೇಮಿಸಿ ಕಾರ್ಯದೇಶ ನೀಡಲು ಈ ಮೂಲಕ ತಮ್ಮಲ್ಲಿ ಕೋರಲಾಗಿದೆ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Estimate for Drilling of Borewell and Providing Pump and Motor and Laying Pipeline at in Ward No. 07, Thanisandra Byatarayanapura Sub Division

									Estimation Cost.Rs	5300000.00
Sl No	Description of work		Mesurement No.	L	B	D	Unit	Qty	Rate	Amount
1	**Geophysical investigation at site for sinking borewells** for supplying drinking water to the habitation either through the Hand Pump MWS or P.W.S.S, by vertical electrical sounding by adopting Venner or Schlumbergers's method, including econnaissance survey of geological formation. Geophysical investigation of existing ground water in the vicinity, its quality, quantity and acceptability of the users, indicating the location of the site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 metre in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instruments and accessories to work site, engaging technical personal and labour required etc. NOTE: 1) Additional rate on item 1&2 is allowed for drilling in over burden and fixing Casing pipes beyond 20 M (for fixing Casing pipes only) a) Above 20 M and upto 30 M - 15%, b) Above 30 M - 30% (Measurement of overburden is restricted to the depth of casing pipe fixed excluding initial depth of 20M and projection above ground level). 2) A sum of Rs. 100/- is to be deducted for Dry Borewell towards yield test (PWD SR 2021-22 Vol-V Page No.152, Item No.4)						Each BW			
			3					**3**	5295.23	**15886.00**
	Basic Rate	5141.00								
	3% Area Weightage	154.23								
	Total	5295.23								
2	**Sinking of Borewell of 165mm dia** clear using super fast hydraulic rig of capacity 300 PSIG & above 1100 CMF & above in all strata including over burdern upto 20 m. Fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimumworking of compressor for one hour (Excluding cost of casing pipes,collars, cap etc., complete) (PWD SR 2021-22 Vol-V Page No.151, Item No.1 to 1.7)						Rmtr			
a	0-50mtrs		3	50.00				**150.00**	298.70	**44805.00**
	Basic Rate	290.00								
	3% Area Weightage	8.70								
	Total	**298.70**								
b	50-100mtrs		3	50.00			Rmtr	**150.00**	374.92	**56238.00**
	Basic Rate	364.00								
	3% Area Weightage	10.92								
	Total	**374.92**								
c	100-150mtrs		3	50.00			Rmtr	**150.00**	398.61	**59792.00**
	Basic Rate	387.00								
	3% Area Weightage	11.61								
	Total	**398.61**								
d	150-200mtrs		3	50.00			Rmtr	**150.00**	462.47	**69371.00**
	Basic Rate	449.00								
	3% Area Weightage	13.47								
	Total	**462.47**								
e	200-250mtrs		3	50.00			Rmtr	**150.00**	542.81	**81422.00**
	Basic Rate	527.00								
	3% Area Weightage	15.81								

Sl No	Description of work		Mesurement No.	L	B	D	Unit	Qty	Rate	Amount
	Total	**542.81**								
e	2[illegible]-300mtrs		3	50.00			Rmtr	**150.00**	574.74	**86211.00**
	Basic Rate	558.00								
	3% Area Weightage	16.74								
	Total	**574.74**								
f	300-350mtrs		3	50.00			Rmtr	**150.00**	638.60	**95790.00**
	Basic Rate	620.00								
	3% Area Weightage	18.60								
	Total	**638.60**								
3	**Supply of ISI mark 175mm nominal bore,plain and steel casing pipe** grade of steel Fe 410 of wall thickness conforming to IS 4270-2001 and latest ammendments, electrical resistance welded steel tubes, material and conforming to IS 1387-1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5-7m both ends.threaded conforming to IS 554-1985 one end fixed with socket conforming to IS 4270-2001 and the other end with screwed pipes all shall be responsibaly free from defects. The tubes shall be responsible straight end should be with ISI marking weighing 25.10kg/m. prices include Collar-Medium duty. (PWD SR 2021-22 Vol-V Page No.154, Item No.32)						Rmtr			
			3	55.00				**165.00**	1990.99	**328514.00**
	Basic Rate	1933.00								
	3% Area Weightage	57.99								
	Total	**1990.99**								
4	**PVC pipes of 10 Kg/cm2 for 200mm** (PWD SR 2021-22 Vol-V Page No.35, Item No.1188)						Mtrs			
			3	10.00				**30.00**	1329.00	**39870.00**
5	Providing and laying at site of work MS casing caps as per IS 1239 (partII) 1982 with all latest amendments if any for any dia. The thickness of plate used for covering one end shall be 3mm (minimum). The dimensions of caps and colars shall be strictly as per IS 1239 (Part-II) 1982 with all amendments including cost of material and labour charges for fixing, if any etc. complete with all lead and lifts and as directed by the Engineer in charge (PWD SR 2021-22 Vol-V Page No.155, Item No.34)						Each			
			3					**3.00**	168.92	**507.00**
	Basic Rate	164.00								
	3% Area Weightage	4.92								
	Total	**168.92**								
6	Fabricating supplying and mounting **MS box of 16 SWG** suitable for floor /wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clA with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. (PWD Electrical SR 2022-23 Vol-VI Page No.15, Item No.5.42.2)						Sq.cm			
	For New Borewells		3	1100	20			**66000**		
	For Replacing Damaged Boxes		20	1100	20			**440000**		
								506000	0.38	**192280.00**
7	Supply and delivery at site wrought middle steel **(galvanized) 50 mm dia GI Union** confirming to IS 1239-II, 1991 with latest amendments if any (PWD SR 2021-22 Vol-V Page No.145, Item No.13.6)						Each			
			3					**3**	225.57	**677.00**
	Basic Rate	219.00								
	3% Area Weightage	6.57								
	Total	**225.57**								
8	Supply and delivery at site wrought middle steel (galvanized) 50 mm dia GI hexagonal nipple confirming to IS 1239-II, 1991 with latest amendments if any.						Each			
			3	3				**9**	180.25	**1623.00**
	Basic Rate	175.00								

Sl No	Description of work		Mesurement No.	L	B	D	Unit	Qty	Rate	Amount
	3% Area Weightage	5.25								
	Total	**180.25**								
9	Supply and delivery at site wrought middle **steel (galvanized) 50 mm dia GI elbow** confirming to IS 1239-II, 1991 with latest amendments if any for: (PWD SR						Each			
			3	3				**9**	225.57	**2031.00**
	Basic Rate	219.00								
	3% Area Weightage	6.57								
	Total	**225.57**								
10	**Labour charges for Erection,** Electrification and commissioning of Pump sets, including aligning and balancing of all items including supply and erection of two pair of supporting clamps, bore well caps, cable clips and water tight gland cable protectors, bolts, nuts, valve and gauges,tools and equipments etc., involved in the job as per specifications, with necessary tests as per specifications, with testing of as per instructions of engineer incharge of work. (PWD SR 2021-22 Vol-V Page No.163, Item No.38)						Job			
			3					**3**	6334.50	**19004.00**
	Basic Rate	6150.00								
	3% Area Weightage	184.50								
	Total	**6334.50**								
11	**Labour charges for erection of outdoor type panel board** and meter boardunits with all necessary materials and labour, tools and equipments including providing cement concrete foundation bed etc., complete as per specification, with testing of as per instructions of engineer incharge of work. (PWD SR 2021-22 Vol-V Page No.163, Item No.40)						Job			
			3					**3**	1390.50	**4172.00**
	Basic Rate	1350.00								
	3% Area Weightage	40.50								
	Total	**1390.50**								
12	**Supplying of 1.1KV LT UG cable** XPLE or heat resistant PVC Insulated PVC eatruded inner sheath armoured UG LT cable as per IS -1554(Part-1) or IS-7098 Part-1,Armouring strip thickness in average +5% and resistivity 14ohms/kms(max) as per IS -3975 4 core 16sqmm (Ele SR 2019-20 P-No 40 I/No-6.4.4)						Rmtr			
	For New Borewells		3	45.00				**135.00**		
	For Existing Borwells		1	100.00				**100.00**		
								235.00	150.00	**35250.00**
13	**Labour charges for laying of 1.1 KV class UG cable** in existing trench GI pipe/ stone pipe / on wall/ on pole as required 6 sqmm to 16 sqmm. (Ele SR OF 2019-20 P-No 41 I/No-6.5.1)						Rmtr			
	For New Borewells		3	45.00				**135.00**		
	For Existing Borwells		1	100.00				**100.00**		
								235.00	11.88	**2792.00**
14	**Digging of trench of 0.6m deep x 0.50 mtr** wide refilling the trench to the required ground level and consolidating etc., complete cutting road surfaces(P.No - 41, I.No -6.6.3, KPWD Electrical SR 19-20)									
			3	45.00			Mtr	**135.00**	82.00	**11070.00**
15	**Supplying and fixing of class A GI pipe on pole/**wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class 40mm (P.No - 41, I.No -6.9.1, KPWD Electrical SR 19-20)						Mtr			
			3	4.00				**12.00**	335.00	**4020.00**
16	**Earthing: Supplying and fixing and wiring earth electrode** for grounding circuits IC cutouts and other equipments on the meter board in the pit. The pits should be filled up with equal proportion of salt and charcoal 150mm around the pipe to complete depth. The connection from the pipe to the conduits etc. is to established through GI wire of sizes as per clause 7.3.3 of IS 732 using 12mm bolts, nuts, washers and check nuts, the pipe shall have 16 through holes of 12mm dia (PWD SR 2021-22 Vol-V Page No.164, Item No.45)						Job			

Sl No	Description of work		Mesurement No.	L	B	D	Unit	Qty	Rate	Amount
			3					3	3862.50	11588.00
	Basic Rate	3750.00								
	3% Area Weightage	112.50								
	Total	**3862.50**								
17	Providing,Supplying and fixing suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps,bolts,nuts and washers etc. with necessary materials and labour tools and equipments as per instructions of engineer incharge of work. 3½x6 Sqm (PWD SR 2021-22 Vol-V Page No.164, Item No.44.1)						Each			
			3					3	530.45	1592.00
	Basic Rate	515.00								
	3% Area Weightage	15.45								
	Total	**530.45**								
18	**Supply and fixing polished wood board** made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws 20" x 20" x 2.5" (PWD Electrical SR 2022-23 Vol-VI Page No.4, Item No.5.6.6)						Nos			
			3					3	315.00	945.00
19	**Providing,supplying to work site, Submersible Pump Set** of 150mm dia suitable for bore well and confirming to IS 8034-2000;3Phase, SS Bowl & Impeller with Low volt Motor as per specifications,as per necessary ammendments and instructions of engineer incharge of work. 17.50 HP - 120 LPM @ 308 m = 26 STG Outlet Dia - 2.00" (PWD SR 2021-22 Vol-V Page No.161, Item No. 19.6)						Each			
	For New Borewells		3					3		
	For Additional Pumps		4					4		
								7	78963.00	552741.00
20	**Supply and delivery of galvanized mild steel tubes** of 6mtr standard length heavy duty (C Class) as per IS 1239 (Part-I) 1990 with latest amendments with ISI Mark (one end fitted with Heavy Duty collar and other end fitted with protective cover) (PWD SR 2021-22 Vol-V Page No.162, Item No.33.1)						Each			
	For New Borewells		3	55.00				165		
	For Existing Borwells		1	60.00				60		
								225.00	3141.50	**706838.00**
	Basic Rate	3050.00								
	3% Area Weightage	91.50								
	Total	**3141.50**								
21	**Supplying and drawing 3 core flat PVC** sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to13:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 V as per IS-694:2010. 3C x 6 mm2 (PWD Electrical SR 2022-23 Vol-VI Page No.4, Item No.2.6.4)						Mtr			
	For New Borewells		3	650.00				**1950.00**		
	For Existing Borewells		1	1000.00				**1000.00**		
								2950.00	242.00	**713900.00**
22	**Supplying fully automatic star-delta starter** unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 V 3 phase and wired after fixing to the existing wooden board for motor Above 12.5 HP upto 25 HP (PWD Electrical SR 2022-23 Vol-VI Page No.10, Item No.5.2.2)						Each			
			3					**3.00**	8640.00	**25920.00**
23	Supply and delivery at site of brand **new best make gate valve** as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm (PWD SR 2021-22 Vol-V Page No.162, Item No.27.1)						Each			
			3					3	1287.50	**3863.00**

Sl No	Description of work		Mesurement No.	L	B	D	Unit	Qty	Rate	Amount
	Basic Rate	1250.00								
	3% Area Weightage	37.50								
	Total	**1287.50**								
24	Supply and delivery at site of brand new best make **non-return valve** as per IS 778/1984 with ISI Mark and as per its latest amendments Size 50 mm (PWD SR 2021-22 Vol-V Page No.162, Item No.28.1)						Each			
			3					**3.00**	1313.25	**3940.00**
	Basic Rate	1275.00								
	3% Area Weightage	38.25								
	Total	**1313.25**								
25	Supply and delivery at site delivery of best indigenous brand new **MCB (Miniature Circuit Breakers)** of required capacity as per IS 88228/1978 and its latest amendments and with ISI Mark of 6/10/16/20/25/40 Amps with scalable box.						Per 3 Pole			
	For New Borewells		3					**3**		
	For Existing Borewells		20					**20**		
								23.00	1287.50	**29613.00**
	Basic Rate	1250.00								
	3% Area Weightage	37.50								
	Total	**1287.50**								
26	Supplying and fixing of **Porcelain fuse channel with cut out** on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... P No. 32/I No 3b KPWD Electrical SR 2010-11						No.			
	For New Borewells		3	3				**9**		
	For Existing Borewells		15	3				**45**		
	63 Amps							**54.00**	150.00	**8100.00**
27	**Earth work excavation for pipelines**/cables by Manual means upto 600 mm trench width, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, including dressing of excavated surfaces, disposing off or leveling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m. Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering and lift upto 1.5 m including cost of labour, tools, usage& other appurtenances required to complete the work. (PWD SR 2021-22 Vol -I Pg No 6 item no 1.6.1)						Cum			
	For Connecting borewell		3	150.00	0.60	0.75		**202.50**		
	Pipe Line for replacing damaged pipes/extention		1	935.00	0.60	0.75		**420.75**		
			2	560.00	0.60	0.75		**504.00**		
								1127.25	484.10	**545702.00**
	Basic Rate	470.00								
	3% Area Weightage	14.10								
	Total	**484.10**								
28	**Providing and installing at site of work P.V.C. pipes** including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour charges and all lift charges, handling charges including encasing the pipe around to a depth not less than 15 cms with gravel or selected earth available from the excavation etc.complete.**(PWD SR 2021-22 Vol-V P. No.140, Item No.13)**						Mtr			
a	**63mm (weight of pipe -0.662 kg) 6 kg/sqm2**	mtr								
	For Connecting borewell		3	150.00				**450.00**		
	Pipe Line for replacing damaged pipes/extention		1	935.00				**935.00**		
								1385.00	157.59	**218263.00**
	Basic Rate	153.00								
	3% Area Weightage	4.59								

Sl No	Description of work		Mesurement No.	L	B	D	Unit	Qty	Rate	Amount
	Total	**157.59**								
b	**9 mm(weight of pipe -1.313 kg)6 kg/sqm2**	mtr	2	560.00				**1120.00**	289.43	**324161.60**
	Basic Rate	281.00								
	3% Area Weightage	8.43								
	Total	**289.43**								
29	Refilling available earth around trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specifications (PWD SR 2021-22 Vol -I Pg No 7 item no 1.10)						Cum			
	For Connecting borewell		3	150.00	0.60	0.75		**202.50**		
	Pipe Line for replacing damaged pipes/extention		1	935.00	0.60	0.75		**420.75**		
			2	560.00	0.60	0.75		**504.00**		
								1127.25	125.66	**141651.00**
	Basic Rate	122.00								
	3% Area Weightage	3.66								
	Total	**125.66**								
30	BESCOM Charges						L/s			
			3					3	20000	**60000.00**
									Total of Other SR Items including GST Unit Rate	**60000.00**
									Total of RWS 21-22,Electrical SR 19-20,21-22,PWD SR 2018-19 And 2021-22 Items	**4440142.60**
									Sub Total	**4500142.60**
									GST Charges (18% of estimated cost)	**799226.00**
									Total	**5299368.60**
									Miscellenious and rounding	**631.40**
									Total Amount	**5300000.00**

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019, PWD 2021-2022, Issue rates and Data Rates.

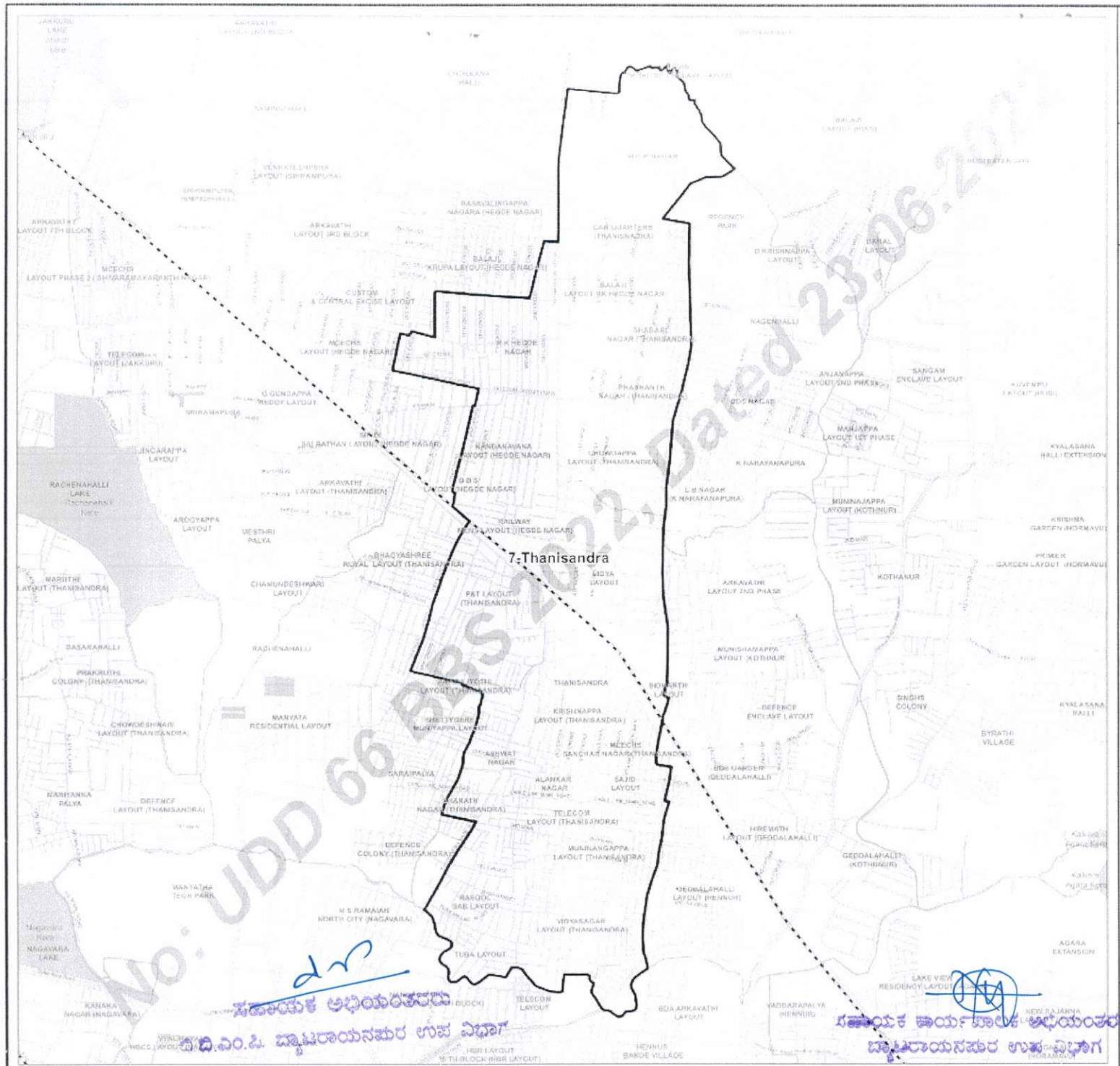
Assistant Engineer
Ward No. 07

Assistant Executive Engineer
Byatarayanapura Sub Division

Executive Engineer
Byatarayanapura Division

ADMINISTRATIVE APPROVAL
Accorded For Rs. Rs. 53.00 lakhs only
Head of A/c. P3726
Div. Ref No. 64 Date 21/02/23
AE
EE(BTP)

Technical Sanction
Accorded For Rs. 53.00 Lakhs
Head of A/C. P3726
CER NO: 99 Dt: 16/09/22



Delimitation of Wards in BBMP - 2022

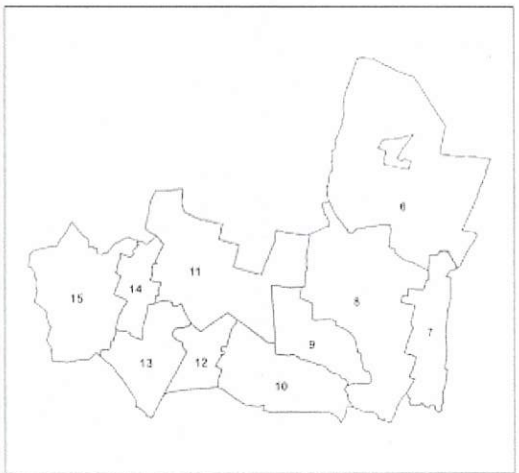
Delimited Ward Name

7-Thanisandra

Legend

- Delimited Ward Boundary
- Delimited Ward Area
- Road
- Railwayline
- Park
- Tank/ Pond/ Storm Water Drain

152-Byatarayanapura AC



Government of Karnataka Notification
No: UDD 66 BBS 2022, Dated 23.06.2022

Delimitation Commission

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-26